

ICDL 2016: SMART FUTURE

Knowledge Trends that will Change the World

13–16 December 2016 | IHC, New Delhi, India



CONFERENCE BULLETIN | DAY 3

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PLENARY SESSION 2

PUTTING SMART FUTURE IN A FAST LANE THROUGH VIRTUALIZATION

Chair: Dr Ajay Mathur, Director General, TERI
Keynote Speaker: Mr Shrikant Sinha, CEO, NASSCOM Foundation, India

Delivering the plenary talk on Day 3 of the Conference, **Mr Sinha** captured the process of digital transformation in society and explored how libraries have reached users on their desks. He talked about empowering the power giving example of mobile phone's usage and importance in day-to-day activities. He further talked about the digitization, disintermediation, mobilization, screenfiction, intelligization, automation, virtualization, anticipation, prediction, re-humanization, etc. He gave the idea of smart diamond to define smart cities and explained the smart governance, smart energy, smart buildings, smart healthcare, smart citizen, etc. He also expressed the idea of waste management system and emphasized on e-waste management. During his presentation, he showed various facts and figures about the digital literacy mission.



SPECIAL SESSION 4A

UNIVERSAL ACCESS AND SHARING OF RESEARCH PUBLICATIONS AND DATA: A STRATEGY TOWARDS OPEN KNOWLEDGE

Chair: Mr Klaus Tochtermann, Director, ZBW-Leibniz Information Centre for Economics and Prof., Media Informatics, Kiel University, Germany
Co-Chair: Dr Anup Kumar Das, Information Specialist, JNU;
Lead Speaker: Ms Neeta Verma, Director-General, National Informatics Centre
Panelists: Mr Leslie Chan, Associate Prof, University of Toronto at Scarborough; Mr Erik-Jan Van Kleef, VP, Sales & Channel Management, 1Science, Belgium; Prof. Suneet Tuli, Dean, Bennett University, Gr.Noida; Dr Prabir G Dastidar, Scientist/Director, Ministry of Earth Sciences, Gol; Ms Nidhi Srivastava, Fellow, Centre for Resource & Environmental Governance, TERI

Klaus Tochtermann explained how research remains unnoticed due to charged domain and why we need increased open access (OA) for sharing research. He also explained the policy of OA in his institution. **Suneet Tuli** and **Nidhi Srivastava** spoke about the legal issues and licensing policy of OA while **Prabir G Dastidar** emphasized upon OA and research sharing for public funding bodies. **Mr Van Kleef** dwelt upon the gold and green access of publications and how European countries have different views on access.

SPECIAL SESSION 4B

SMART WAYS TO PUBLISHING AND DIGITAL MARKETING

Chair: Mr L Subramaniam, CEO, Trivone & Former Editor, Data Quest
Lead Speaker: Mr Heather Devereaux, Sr. Director, Elsevier, The Netherlands
Panelists: Mr Adam Koszary, Project Officer, Bodleian Libraries, UK; Mr Seshadri Chatterjee, Microsoft Corporation, India; Prof. Dinesh K Gupta, Head & Director Research, Vardhaman Mahaveer Open University, Kota, India; Mr Pradeep Chopra, CEO, Digital Vidya

According to Digital Trends Report 2015 by Adobe, over 43% of companies consider digital marketing as an integral part of organizations' marketing strategy. It is the increasingly digital nature of the world that is the catalyst for propelling marketing into a more elevated role within the organization. In the strategic digital marketing domain, marketing content preparation remains the core issue. Social and mobile content were most commonly used avenues in digital marketing. These supplemented by data analytics, have become a powerful tool for high value investments and to facilitate decision-making processes in marketing.

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ENRICHING TALKS BY INVITED SPEAKERS ON CONSERVATION AND PRESERVATION

TECHNICAL SESSION 3A-3B-3C-3D

DIGITAL CURATION & PRESERVATION OF INDIGENOUS KNOWLEDGE

Chair: Dr Ramesh Gaur, University Librarian, JNU, India

Co-Chair: Md. Nasiruddin, Department of Library & Information Science, National University, Bangladesh

Speakers: Mr Hadar Miller, National Library of Israel, Jerusalem, Israel; Mr Tom Derrick, Digital Curator, The British Library, UK; Mr Heather Brown, Assistant Director of Paper, Books and Preventive, Artlab, Australia

DATA SCIENCE

Chair: Dr Usha Mujoo Munshi, Librarian, Indian Institute of Public Administration, India

Co-Chair: Mr Ashutosh Mishra, Scientist "D" and Incharge, NTRC Library, National Technical Research Organisation, India

Speakers: Prof. Gobinda Chowdhury, Prof & Head, Information Science, Northumbria University; Mr Jean Marc Comment, Head of the Unit, Departement federal de l'Interieur, Federal Archives AF, Switzerland

INFORMATION STORAGE AND RETRIEVAL

Chair: Prof. J N Gautam, Pro Vice-Chancellor, Jiwaji University, Gwalior, India

Co-Chair: Dr Nabi Hasan, University Librarian, Aligarh Muslim University, India

Speaker: Prof. Paul Nieuwenhuysen, Vrije Universiteit Brussel, Belgium

SEMANTIC WEB AND MULTIMEDIA CONTENT

Chair: Dr Shalini R Urs, Executive Director & Prof., International School of Information Management (ISIM), University of Mysore, India

Speakers: Mr Ricardo da Silva Torres, Associate Prof, Institute of Computing (IC), University of Campinas (UNICAMP), Brazil; Mr John Akeroyd, Senior Consultant, CIBER Research Honorary Research Fellow, University College London; Dr Shahid Rasool, Director, Commonwealth Educational Media Centre for Asia (CEMCA), India



make this data available for future use. **Mr Jean Marc** defined open government, data strategy, and the situation of open data in Switzerland.

Mr Paul Nieuwenhuysen discussed the concept of image search as well as image and text combination search. He tried to establish the hypothesis that a combination search increases the precision.

Mr Ricardo da Silva Torres spoke on managing large multimedia data repositories and showed video of the project undertaken by Microsoft-FAPESP (Virtual Institute). He explained the E-phenology project, which deals with image processing. **Mr John Akeroyd** discussed application of semantic layer over database for discovery of bibliographic records as well as unstructured data. He elaborated on crowd-sourced vocabulary, Machine learning indexing, controlled vocabulary tools, and some European projects.

Mr Hadar Miller narrated interesting journey from metadata to data search and discovery from print to digital for National Library of Israel from 2010 to 2016. **Mr Tom Derrick** spoke on unlocking India's printing heritage through innovative digital research of 22 South Asian Languages and his experience of converting 4,000 manuscripts in British Library. **Ms Heather Brown** talked about integrated framework for disaster plan to safeguard for library collections and argued that IFLA Disaster Preparedness Guidelines help to safeguard the heritage collections of Indian libraries.

Prof. Gobinda Chowdhury presented an overview of Research Data Management. He explained about data repository and challenge to



SPECIAL SESSION 5A

DIGITAL CONVERGENCE AT BOTTOM OF THE PYRAMID

Chair: Mr Gaurav Dwivedi, CEO, MyGov Cell, Ministry of Electronic and Information Technology, Government of India

Co-Chair: Dr R K Sharma, Librarian, UN Information Center, India

Panelists: Mr Alekhya Dutta, Associate Fellow, Energy Environment Technology Development, TERI, India;

Mr Tauseef Khan, Co-founder & CEO, Gramophone Co., India;

Mr Krishna Kumar, CEO, CropIn, India

Information and Communication Technologies (ICT) have opened up uncommon opportunities in urban and rural areas for improving quality of both natural environment and human well-being. ICTs, if properly designed, will be most meaningful to urban and rural families, to reach 'the unreached' in terms of knowledge and skill empowerment and help to convert the vast scientific know-how, now available, into field level know-how. At present, this access is very limited in rural areas because of some hurdles, however, with increase in start-up-based digital revolution and some government and NGOs initiatives, the situation is improving. This session highlighted some of the cases and also raised pertinent issues.



TECHNICAL SESSION 4A-4B-4C-4D

OPEN ARCHIVES INITIATIVES AND POST METADATA HARVESTING (OAI/PMH)-I

Chair: Dr Gyas Makdumi, Former University Librarian, Jamia Milia Islamia, New Delhi
Co-Chair: Ms Neeti Saxena, Manager, British Council, India
Speaker: Mr Erik-Jan Van Kleef, Vice-President of Sales & Channel Management, 1Science, Belgium

OPEN INNOVATION AND NEW COMMUNICATION MODEL

Chair: Ms Kala Dutta, Director Library, American Center Library
Co-Chair: Dr Siva Chidambaram, Chief Librarian, AIIMS
Speaker: Mr Klaus Tochtermann, Director of the ZBW-Leibniz Information Centre for Economics and Prof for Media Informatics at Kiel University, Germany

DL MULTI-LINGUALITY AND INTEROPERABILITY ISSUES

Chair: Prof. Sudeshna Sarkar, Professor and Head, CSE, IIT Kharagpur
Co-Chair: Dr Sanjeev Kumar, Director-Learning Resource Center, National Institute of Fashion Technology
Speakers: Dr Tengu Mohd T Sembok, Deputy Vice Chancellor, Faculty of Defence Science and Technology, National Defence University, Malaysia; Prof. Akira Maeda, Department of Media Technology, College of Information Science and Engineering, Ritsumeikan University, Japan

SOCIAL MEDIA AND UBIQUITOUS COMPUTING

Chair: Dr Alejandro Bia, Associate Prof, Miguel Hernandez University, Spain
Speakers: Mr Adam Koszary, Project Officer, The Museum of English Rural Life & Communications and Social Media Officer, Bodleian Libraries, UK; Ms Meeta W Sengupta, Consultant, Social Media

Revolving around world of open access issues, challenges, and its standards, Mr Erik-Jan Van Kleef demonstrated 1Science libraries to benefit from open access.

Mr Klaus Tochtermann spoke about digitization of science and its impact on libraries. He also discussed about the European open science cloud (EOSC) for collective information centres. Mr B Sutradar talked about the metadata and its kinds applied in NDL project for the Indian repositories.

Mr Tngum T Sembok discussed big data, AI, robotics, visualization, search query formulation in web IR system and also emphasized on semantic and need to be promote better search system. Prof. Akira Maeda talked about the relationship



between the digital humanities and digital libraries across language and record linkage.

Mr Adam Koszary presented the paper on strategy for the development of library collection and user development. He explained Bodleian Libraries four social media channels (Facebook, Instagram, Instant Messaging, and Twitter).

Ms Meeta W Sengupta discussed educational professional policies and social networking tools which are useful for day to day life. She explained about business case of social media: impact, branding, etc.



SPECIAL SESSION 5B

ACADEMIC INTEGRITY IN DIGITAL WORLD

Chair: Prof. Michael Seadle, Humboldt University of Berlin, Germany
Co-Chair: Mr Partha Bhattacharya, Associate Director, Amity University, Noida
Speaker: Dr Zeenath Reza Khan, Assistant Professor, University of Wollongong, Dubai
Panelists: Dr Savithri Singh, Principal, Acharya Narendra Dev College, University of Delhi; Dr Sandeep Chatterjee, Registrar, IIT Delhi, New Delhi; Mr Neel Mason, Director, Mason Associates, India; Dr Ramesh Gaur, Librarian, Jawaharlal Nehru University, New Delhi

Dr Zeenath Reza Khan talked about the scandal of academia and need for developing a factor model to understand the impact factors in higher education as students are likely to e-cheat. Dr Ramesh Gaur talked about the plagiarism in higher educational institutions and mentioned *accidental plagiarism* and *willful plagiarism*. Dr Sandeep Chatterjee discussed higher education in India and tendency of cheating among students in higher educational institutions.



Dr Savithri Singh spoke on creative common licenses to promote academic integrity, on issues while creating content, use of copyright, lack of awareness among academicians on copyright issues, components of common licensing, etc. Mr Neel Mason talked about intellectual property rights/copyright issues and mentioned that providing increased access to people. He also explained issues of ideas vs expression and availability vs permissions.

ICDL 2016 @ SOCIAL MEDIA



Adam Koszary: #ICDL@Meetasengupta doing an amazing job of boiling down social media: quicker than email, egalitarian, connectivity and stories.



bibliotheek pittem: "Stories are data with a soul"-Brené Brown, quoted by Heather Deveraux on Smart ways to digital marketing at #ICDL



Iranna Shettar: "Understand your Readers that is your bible."-L Subramaniam, CEO, Trivone & Former Editor, Data Quest. #ICDL



Anil Jha: institution need to nominate #openAccess expert #ICDL Klaus Tochtermann



Anirban Chatterjee
7 hrs · 2k

Was invited to speak at ICDL 2016. Participated in the Knowledge & Innovation Workshop and shared my inputs on how KM could indeed be that secret sauce in an organization's innovation journey.

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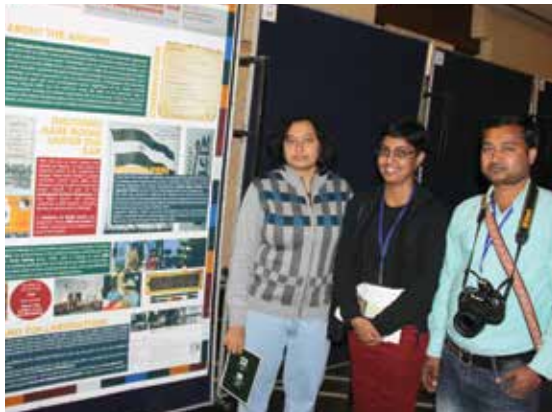
ICDL 2016 is a one-of-its-kind event aiming to take full cognisance of the power of Smart Future - predicting, preparing and taking requisite actions to leverage its...

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EXHIBITIONS



POSTER PRESENTATION



WORKSHOPS @ DAY 3

Workshops on Day 3 covered interesting topics such as need and emergence of bioinformatics, sources, types, characteristics, stages involved in big data analytics, etc.

Mr Raghav Agarwal discussed about application of artificial intelligence describing the paradox, model of AI and its possibilities. **Mr Subrata Das** spoke on Big Data Interventions in industries.

Mr Ganesh Das explained TPDDL, power portfolio management solution, specially SCADA.

He also explained smart meter data analysis through graphics method.

Dr Dhruva K Bhattacharya threw light on how the volume of data with variety is dynamically added with the high velocity in every field, including bioinformatics, and elaborated the various challenges of big analytics criteria for the study of human disease network, disease association network. **Dr Dinesh Gupta** elaborated the importance of big analysis on the prediction of early stages of cancer in kidney while **Dr A K Mishra** by covered the importance of big data analytics in agri-bioinformatics in IARI, ICAR using ASHOKA, and 52 open source software and cloud computing. **Dr D Sundar** covered the importance of zinc finger protein, transcription activator like effector protein, and clustered regularly interspaced short palindromic repeats as the three tools for the application of big data for genome editing in regenerative medicine.



WORKSHOP @ DAY 2



CULTURAL PROGRAMME



IN CONVERSATION



PROF. KLAUS TOCHTERMANN
KIEL UNIVERSITY, GERMANY

Your thoughts on ICDL 2016.

This is my first visit to ICDL and India. I am overwhelmed by the conference and innovative ideas of themes and talks of speakers from academia and industry. I would like to attend the next ICDL.

How you visualize the future of DL?

The future of libraries is digital and it is apparent that digital libraries are flourishing while the print version is going down day by day. Those who do not go digital will disappear one day.

What is your message to the conference delegates and LIS professionals in India?

Continue working hard and put all your efforts in the digital movement. Come again in ICDL with new ideas!



PROF. PAUL NIEUWENHUYSEN
VRIJE UNIVERSITEIT BRUSSELS, BELGIUM

What are your thoughts on the ever-widening digital divide ?

The gap amongst user friendly aspects, machinery, and computing infrastructure is widening. People do not understand what is going on inside their devices and are uncertain about sustainability.

Your thoughts on Open Access.

Open access (OA) is a good initiative but is a danger to the libraries. The significance of libraries will be diminished if OA will evolve completely, although 100% OA will never be a reality.



PROF. UMA KANJILAL
IGNOU

What are your views regarding ICDL and DL?

I have been a regular participant at ICDL over the years. Although individual efforts for digital libraries are taking place all over the country, a single platform consolidating all such efforts should be contrived in the future.

How can we overcome digital divide between rural and urban India?

More funds should be released to set up infrastructure and mobile technology should be spread to provide online education on smartphones.

What do you see beyond current scenario?

We should move forward beyond the library boundaries and prepare the (library) professionals to provide updated corporate information services.